

**SAIL-M12GM12G-4S5.5U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Our sensor cables come with 360° shielding which provides protection against electromagnetic interference. Is there something you have not managed to find or you feel needs explanation? Talk to us!

**General ordering data**

|            |                                                                                                                                         |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 4, 5.5 m, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1058500550</a>                                                                                                              |
| Type       | SAIL-M12GM12G-4S5.5U                                                                                                                    |
| GTIN (EAN) | 4050118619645                                                                                                                           |
| Qty.       | 1 pc(s).                                                                                                                                |

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**Technical data****Dimensions and weights**

Net weight 252 g

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Technical specifications for cable**

|                                                |                                  |                                  |                           |
|------------------------------------------------|----------------------------------|----------------------------------|---------------------------|
| Acceleration                                   | 5 m/s <sup>2</sup>               | Bending cycles                   | 2 Mio                     |
| Bending radius, min., moving                   | 10 x cable diameter              | Bending radius, min., stationary | 5 x cable diameter        |
| Cable length                                   | 5.5 m                            | Colour coding                    | black, brown, white, blue |
| Configurable cable length                      | No                               | Core cross-section               | 0.34 mm <sup>2</sup>      |
| Core in accordance with UL AWM style           | 10493 (80 °C / 300 V)            | Halogen                          | No                        |
| Hydrolysis and microbe resistant               | Yes                              | Insulation                       | PP                        |
| LABS-free                                      | Yes                              | Number of poles                  | 4                         |
| Outer cladding in accordance with UL AWM style | 20233 (80 °C / 300 V)            | Outside diameter                 | 5.4 mm ± 0.2 mm           |
| Resistance to oils                             | in accordance with IEC 60811:404 | Resistance to spread of flame    | According to UL2556 FT2   |
| Resistant to welding beads                     | No                               | Sheath material                  | PUR                       |
| Sheathing colour                               | black                            | Shielded                         | Yes                       |
| Speed                                          | 200 m/min                        | Suitable for cable carriers      | Yes                       |
| Temperature range, moving                      | -25...80 °C                      | Temperature range, stationary    | -40...80 °C               |
| Torsion resistance                             | 0 °/m                            |                                  |                           |

**General technical data**

|                        |                                         |                              |                   |
|------------------------|-----------------------------------------|------------------------------|-------------------|
| Coding                 | A                                       | Connection thread            | M12 / M12         |
| Contact surface        | Gold-plated                             | Housing main material        | PUR               |
| Insulation strength    | 10 <sup>8</sup> Ω                       | LED                          | No                |
| Plugging cycles        | ≥ 100                                   | Pollution severity           | 3                 |
| Protection degree      | IP65, IP66, IP67, IP68, when screwed in | Rated current                | 4 A               |
| Rated voltage          | 250 V                                   | Temperature range of housing | -25...+80 °C      |
| Threaded ring material | Diecast zinc                            | Tightening torque            | M12: 0.8 - 1.2 Nm |
| jumpered               | No                                      |                              |                   |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ECLASS 9.0  | 27-06-03-11 | ECLASS 9.1  | 27-06-03-11 |
| ECLASS 10.0 | 27-06-03-11 | ECLASS 11.0 | 27-06-03-11 |

**Approvals**

ROHS Conform

**Downloads**Brochure/Catalogue [Catalogues in PDF-format](#)

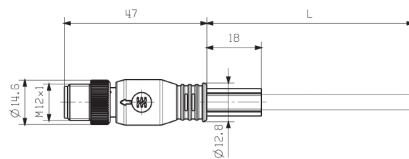
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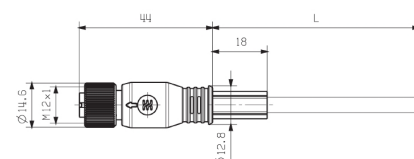
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## Drawings

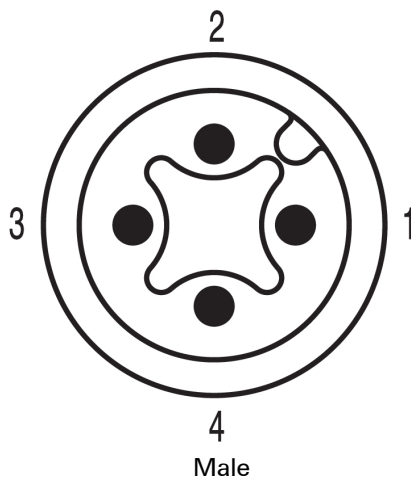
### Dimensioned drawing



### Dimensioned drawing

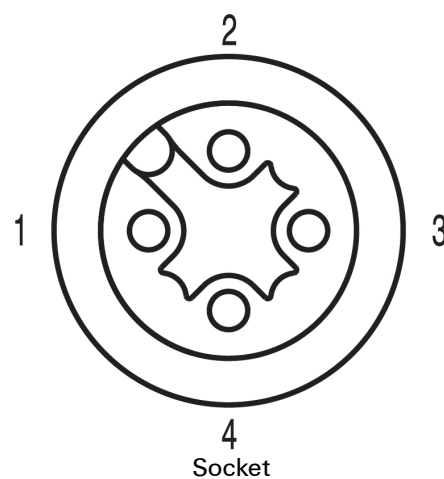


### Pole scheme

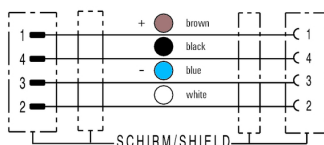


### Straight socket

### Pole scheme



### Wiring diagram



### The ideal tool: Screwty® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F